PTO/SB/05 (08-03) Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Attorney Docket No. HO-P02190US1 UTILITY First Inventor Nicholas Thomas PATENT APPLICATION MICROFABRICATED APPARATUS FOR CELL Title TRANSMITTAL BASED ASSAYS Ø (Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. ER147056813US MS Patent Application in Commissioner for Patents APPLICATION ELEMENTS ADDRESS TO: P.O. Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria, VA 22313-1450 CD-ROM or CD-R in duplicate, large table or Fee Transmittal Form (e.g., PTO/SB/17) Computer Program (Appendix) (Submit an original, and a duplicate for fee processing) Nucleotide and/or Amino Acid Sequence Submission Applicant claims small entity status. 8. Х (if applicable, all necessary) See 37 CFR 1.27. 24 Computer Readable Form (CRF) [Total Pages Х Specification (preferred arrangement set forth below) b. Specification Sequence Listing on: Descriptive title of the invention
 Cross Reference to Related Applications CD-ROM or CD-R (2 copies); or Paper - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, Statements verifying identity of above copies C or a computer program listing appendix

Background of the Invention **ACCOMPANYING APPLICATION PARTS** - Brief Summary of the Invention Assignment Papers (cover sheet & document(s)) - Brief Description of the Drawings (if filed) 9. Detailed Description 37 CFR 3.73(b) Statement Power of Claim(s) 10. - Abstract of the Disclosure (when there is an assignee) Attorney 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 11. English Translation Document (if applicable) Information Disclosure Copies of IDS [Total Sheets 12. 5. Oath or Declaration Statement (IDS)/PTO-1449 Citations 13 Preliminary Amendment Newly executed (original or copy) Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) Return Receipt Postcard (MPEP 503) 14. Х (Should be specifically itemized) Certified Copy of Priority Document(s) 15. **DELETION OF INVENTOR(S)** (if foreign priority is claimed) Signed statement attached deleting inventor(s) named in the prior application, Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). 16. Applicant must attach form PTO/SB/35 or its equivalent. see 37 CFR 1.63(d)(2) and 1.33(b). Transfer of Information Disclosure 17. х Other: Statement 6. X Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Divisional Continuation-in-part (CIP) of prior application No.: 09/673,169 Continuation William H. Beisner Prior application information: Examiner Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS 26271 Correspondence address below Customer Number: х Name Address Zip Code State City Fax Telephone Country 45,872 Registration No. (Attorney/Agent) Name (Print/Type) Melissa W. Acosta August 28, 2003 Signature (Transmittal-New Utility Patent Application

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. ER147056813US, in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, Alexandria, VA 22313, on the date shown below.

Dated: August 28, 2003

Signature:

Havis (Staci Harris)

PTO/SB/17 (08-03) Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number									
CCC TO ANOMITTAL	Co				Compl	plete if Known			
FEE TRANSMITTAL		Application Number				Not Yet Assigned			
for FY 2003	Filing Date				August 28, 2003				
	First Named Inventor			Nicholas Thomas					
Effective 01/01/2003, Patent fees are subject to annual revision.	ion.			miner Name			Not Yet Assigned		
X Applicant claims small entity status. See 37 CFR 1.27		Art Unit				N/A			
TOTAL AMOUNT OF PAYMENT (\$) 375.00		Attorney Docket No.				HO-P02190US1			
METHOD OF PAYMENT (check all that apply)				FEE	CALCUL	ATION (cor	ntinued)		
X Check Credit Money Order Other None Deposit Account:	3. A	DDITIO	ONAL	FEES					
Deposit Account.	Large	e Entity	Small	Entity					
Account Number 06-2375	Fee Code	Fee (\$)	Fee Code	Fee (\$)		Fee Desci	ription	Fee Paid	
Deposit Account Fulbright & Jaworski L.L.P.	1051	130	2051	65	Surcharge –	late filing fee	e or oath		
Name The Director is authorized to: (check all that apply)	1052	50	2052	25	Surcharge - sheet.	late provisio	nal filing fee or cover		
Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-English	specification	1		
Charge any additional fee(s) during the pendency of this application	1812	2,520	1812	2,520	For filing a re	quest for ex p	arte reexamination		
Charge fee(s) indicated below, except for the filing fee	1804	920*	1804	920*	Examiner ac	publication of	•		
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting Examiner ac	publication of	SIR after		
FEE CALCULATION	1251	110	2251	55		r reply within	first month		
1. BASIC FILING FEE	1252	410	2252	205	Extension fo	r reply within	second month		
Large Entity Small Entity	1253	930	2253	465	Extension fo	r reply within	third month		
Fee Fee Fee Fee Fee Fee Paid Code (\$) Code (\$)	1254	1,450	2254	725	Extension fo	r reply within	fourth month		
1001 750 2001 375 Utility filing fee 375.00	1255	1,970	2255	985	Extension fo	r reply within	fifth month		
1002 330 2002 165 Design filing fee	1401	320	2401	160	Notice of Ap	peal			
1003 520 2003 260 Plant filing fee	1402	320	2402	160	Filing a brief	f in support of	f an appeal		
1004 750 2004 375 Reissue filing fee	1403	280	2403	140	Request for	oral hearing			
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to in	stitute a publ	ic use proceeding		
01177741 (4) (4)	1452	110	2452	55	Petition to re	evive – unavo	idable		
SUBTOTAL (1) (\$) 375.00	1453	1,300	2453	650	Petition to re	evive - uninte	ntional		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,300	2501	650	Utility issue	fee (or reissu	e)		
Extra Fee from Claims below Fee Paid	1502	470	2502	235	Design issue	e fee			
Total Claims -20** = x = =	1503	630	2503	315	Plant issue f	fee			
Independent Claims -3** = x = x	1460	130	1460	130	Petitions to t	the Commiss	ioner		
Multiple Dependent =	1807	50	1807	50	Processing f	fee under 37	CFR 1.17(q)		
Large Entity Small Entity	1806	180	1806	180			n Disclosure Stmt		
Fee Fee Code (\$) Fee Description	8021	40	8021	40		ach patent as nes number o	ssignment per if properties)		
1202 18 2202 9 Claims in excess of 20	1809	750	2809	375	Filing a subr (37 CFR 1.1		final rejection		
1201 84 2201 42 Independent claims in excess of 3 1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	For each ad-	ditional inven			
1204 84 2204 42 ** Reissue independent claims	1801	750	2801	375	examined (37CFR 1.129(b)) Request for Continued Examination (RCE)				
over original patent 1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802	900		Request for expedited examination of a design application			
and over original patent	Other fee (specify)								
**or number previously paid, if greater; For Reissues, see above							0.00		
SUBMITTED BY (Complete (if applicable))									
Name (Print/Type) Melissa W. Acosta	Registration No. (Attorney/Agent) 45,872 Telephone (713) 651-5407				,				
Signature Date August 28, 2003						3			

SORMITTED BY			(Complete	(іт арріісаоїе))
Name (Print/Type) Melissa W. Acosta	Registration No. (Attorney/Agent)	45,872	Telephone	(713) 651-5407
Signature ////////////////////////////////////			Date	August 28, 2003
7, , , , , , , , , , , , , , , , , , ,		"		

Fee Transmittal

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. ER147056813US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: August 28, 2003

Signature:

Harris) (Staci Harris)

Application No. (if	known):	Attorney Docket No.: HO-P02190US
Cer	tificate of Express M	ailing Under 37 CFR 1.10
l hereby Express	/ certify that this correspondence is bei s Mail, Airbill No. ER147056813US in a	ng deposited with the United States Postal Service as n envelope addressed to:
	MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
on	August 28, 2003 Date	
_	Signa Staci H Typed or printed name of p	Harris
Note:	Each paper must have its own certifice each submitted paper. Application Data Sheet	ate of mailing, or this certificate must identify